

Appendix B

Sample layout

Below, an actual IML file for a simple invoice. Expression names, etc. reference data in
5 an exemplary (Kenan/BP) billing system.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE LAYOUT SYSTEM "igenlayout.dtd">
<LAYOUT version="3.0">
10  <DESCRIPTION>
    <TITLE><! [CDATA[Core Invoice Template]]></TITLE>
    <AUTHOR><! [CDATA[Unknown]]></AUTHOR>
    <MANAGER><! [CDATA[Mike Worthington]]></MANAGER>
    <COMPANY><! [CDATA[CSG]]></COMPANY>
15  <COPYRIGHT><! [CDATA[2001]]></COPYRIGHT>
    <COMMENTS><! [CDATA[A template example for common invoice]]></COMMENTS>
</DESCRIPTION>
    <SEGMENT name=" [Page One Remittance] Segment" pagesize="A4" duplex="0"
    leftmargin="0" rightmargin="0" topmargin="0" bottommargin="0"
20  pagewidth="94" pageheight="78">
        <HEADER>
            <LABEL name="Statement" x="90" relativey="1" alignment="right"
            font="Times New 10" format="statement_label" type="string">
            </LABEL>
25  <LABEL name="Account No:" x="2" relativey="7" font="Times10Bold"
            format="account_num_label" type="string">
            </LABEL>
            <HEADERFIELD name="account no" x="17" relativey="0" width="35"
            font="Times10Bold" format="one_param_field" wrap="true">
30  <EXPRESSION>gen_cmf_external_id</EXPRESSION>
            </HEADERFIELD>
            <LABEL name="Page:" x="55" relativey="0" font="Times10Bold"
            format="page_label" type="string">
            </LABEL>
35  <LABEL name="Page" x="70" relativey="0" font="Times10Bold"
            format="page_field" type="string">
            </LABEL>
            <LABEL name="Name:" x="2" relativey="2" font="Times10Bold"
            format="cust_name_label" type="string">
40  </LABEL>
            <HEADERFIELD name="bill address" x="17" relativey="0" width="26"
            font="Times10" format="one_param_field" wrap="false">
            <EXPRESSION format="1">cmf_bill_address</EXPRESSION>
            </HEADERFIELD>
45  <LABEL name="Invoice Number:" x="55" relativey="0" font="Times10Bold"
            format="invoice_number_label" type="string">
            </LABEL>
            <HEADERFIELD name="bill_ref_no" x="70" relativey="0" font="Times10Bold"
            format="one_param_field">
50  <EXPRESSION>get_bill_invoice_bill_ref_no</EXPRESSION>
            </HEADERFIELD>
            <LABEL name="Invoice Date:" x="55" relativey="1" font="Times10Bold"
            format="invoice_date_label" type="string">
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</LABEL>
<HEADERFIELD name="invoice date" x="70" relativey="0"
font="Times10Bold" format="one_param_field">
<EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
5 </HEADERFIELD>
<LABEL name="Billing Period:" x="55" relativey="1" font="Times10Bold"
format="billing_period_label" type="string">
</LABEL>
<HEADERFIELD name="bill interval" x="70" relativey="0" width="24"
10 font="Times10Bold" format="bill_period_field" wrap="false">
<EXPRESSION format="4">gen_bill_invoice_from_date</EXPRESSION>
<EXPRESSION format="4">gen_bill_invoice_to_date</EXPRESSION>
</HEADERFIELD>
<LABEL name="" x="55" relativey="4" height="5" width="7" font="Arial
15 10" format="" type="string" wrap="false">
</LABEL>
</HEADER>
<LABEL name="Invoice Summary" x="47" relativey="1" alignment="center"
font="Times10" format="invoice_summary" type="string">
20 </LABEL>
<LABEL name="Remittance Copy" x="47" relativey="3" alignment="center"
font="Times10" format="remittance_copy_label" type="string">
</LABEL>
<LABEL name="Please Return This Remittance With Payment To:" x="47"
25 relativey="1" alignment="center" font="Times10"
format="service_center_address_label" type="string">
</LABEL>
<ACCUMULATOR name="service center" x="47" relativey="2"
30 alignment="center" font="Times10" format="one_param_field"
operation="sum">
<FILTER>remittance_center_filter
</FILTER>
<EXPRESSION format="1">service_center_address</EXPRESSION>
</ACCUMULATOR>
35 <LABEL name="Total Amount Due as of Last Invoice" x="22" relativey="8"
font="Times10Bold" format="total_due_label" type="string">
</LABEL>
<ACCUMULATOR name="previous_amount_due" x="72" relativey="0"
40 alignment="right" font="Times10Bold" format="one_param_field"
operation="sum">
<FILTER>previous_bill_amount_filter
</FILTER>
<EXPRESSION>gen_bill_invoice_detail_federal_tax</EXPRESSION>
</ACCUMULATOR>
45 <HEADERFIELD name="Payments as of %1" x="22" relativey="1"
font="Times10" format="payments_as_of_date_field">
<EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
</HEADERFIELD>
<ACCUMULATOR name="payment_total" x="72" relativey="0"
50 alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FILTER>payments_filter
</FILTER>
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</ACCUMULATOR>
55 <LABEL name="Adjustments" x="22" relativey="1" font="Times10"
format="adjustments_label" type="string">

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</LABEL>
<AGGREGATE name="" x="72" relativey="0" width="22" alignment="right"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>adjustment_amount</FIELDREF>
5 <FIELDREF>adjustment_tax</FIELDREF>
</AGGREGATE>
<LABEL name="New Charges" x="22" relativey="1" font="Times10"
format="new_charges_label" type="string">
</LABEL>
10 <ACCUMULATOR name="new_charges" x="72" relativey="0" alignment="right"
font="Times10" format="one_param_field" operation="sum">
<FILTER>net_new_charges_filter
</FILTER>
<EXPRESSION>net_new_charges</EXPRESSION>
15 </ACCUMULATOR>
<LABEL name="Total Taxes" x="22" relativey="1" font="Times10"
format="total_taxes_label" type="string">
</LABEL>
<ACCUMULATOR name="taxes_new" x="72" relativey="0" alignment="right"
20 font="Times10" format="one_param_field" operation="sum">
<FILTER>taxes_new_filter
</FILTER>
<EXPRESSION>gen_bill_invoice_detail_tax</EXPRESSION>
</ACCUMULATOR>
25 <LABEL name="Total New Charges" x="22" relativey="1" font="Times10"
format="total_new_charges_label" type="string">
</LABEL>
<ACCUMULATOR name="total_new_charges" x="72" relativey="0"
30 alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FILTER>total_new_charges_filter
</FILTER>
<EXPRESSION>total_new_charges</EXPRESSION>
</ACCUMULATOR>
35 <LABEL name="Total Amount Due" x="22" relativey="1" font="Times10"
format="total_amount_due_label" type="string">
</LABEL>
<ACCUMULATOR name="total_due" x="72" relativey="0" alignment="right"
font="Times10" format="one_param_field" operation="sum">
40 <FILTER>total_due_filter
</FILTER>
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</ACCUMULATOR>
45 <HEADERFIELD name="Payment Due Date %1" x="47" relativey="3"
alignment="center" font="Times10" format="payment_due_date_field">
<EXPRESSION format="4">gen_bill_invoice_payment_due_date</EXPRESSION>
</HEADERFIELD>
</SEGMENT>
<SEGMENT name=" [Page One Customer] Segment" pagesize="A4" duplex="0"
50 leftmargin="0" rightmargin="0" topmargin="0" bottommargin="0"
pagewidth="94" pageheight="78">
<HEADER>
<LABEL name="Statement" x="90" relativey="1" alignment="right"
font="Times New 10" format="statement_label" type="string">
55 </LABEL>
<LABEL name="Account No:" x="2" relativey="7" font="Times10Bold"
format="account_num_label" type="string">

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</LABEL>
<HEADERFIELD name="account no" x="17" relativey="0" font="Times10Bold"
format="one_param_field">
<EXPRESSION>gen_cmf_external_id</EXPRESSION>
5 </HEADERFIELD>
<LABEL name="Page:" x="55" relativey="0" font="Times10Bold"
format="page_label" type="string">
</LABEL>
<LABEL name="Page" x="70" relativey="0" font="Times10Bold"
10 format="page_field" type="string">
</LABEL>
<LABEL name="Name:" x="2" relativey="2" font="Times10Bold"
format="cust_name_label" type="string">
</LABEL>
15 <HEADERFIELD name="bill address" x="17" relativey="0" width="26"
font="Times10" format="one_param_field" wrap="false">
<EXPRESSION format="1">cmf_bill_address</EXPRESSION>
</HEADERFIELD>
<LABEL name="Invoice Number:" x="55" relativey="0" font="Times10Bold"
20 format="invoice_number_label" type="string">
</LABEL>
<HEADERFIELD name="bill_ref_no" x="70" relativey="0" font="Times10Bold"
format="one_param_field">
<EXPRESSION>get_bill_invoice_bill_ref_no</EXPRESSION>
25 </HEADERFIELD>
<LABEL name="Invoice Date:" x="55" relativey="1" font="Times10Bold"
format="invoice_date_label" type="string">
</LABEL>
<HEADERFIELD name="invoice date" x="70" relativey="0"
30 font="Times10Bold" format="one_param_field">
<EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
</HEADERFIELD>
<LABEL name="Billing Period:" x="55" relativey="1" font="Times10Bold"
format="billing_period_label" type="string">
35 </LABEL>
<HEADERFIELD name="bill interval" x="70" relativey="0" width="24"
font="Times10Bold" format="bill_period_field" wrap="false">
<EXPRESSION format="4">gen_bill_invoice_from_date</EXPRESSION>
<EXPRESSION format="4">gen_bill_invoice_to_date</EXPRESSION>
40 </HEADERFIELD>
<LABEL name="" x="55" relativey="4" height="5" width="4" font="Arial
10" format="" type="string" wrap="false">
</LABEL>
</HEADER>
45 <LABEL name="Invoice Summary" x="47" relativey="1" alignment="center"
font="Times10" format="invoice_summary" type="string">
</LABEL>
<LABEL name="Customer Copy" x="47" relativey="3" alignment="center"
font="Times10" format="customer_copy_label" type="string">
50 </LABEL>
<LABEL name="Total Amount Due as of Last Invoice" x="23" relativey="4"
font="Times10Bold" format="total_due_label" type="string">
</LABEL>
55 <ACCUMULATOR name="previous_amount_due" x="73" relativey="0"
alignment="right" font="Times10Bold" format="one_param_field"
operation="sum">
<FILTER>previous_bill_amount_filter

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</FILTER>
<EXPRESSION>gen_bill_invoice_detail_federal_tax</EXPRESSION>
</ACCUMULATOR>
<HEADERFIELD name="Payments as of %1" x="23" relativey="1"
5 font="Times10" format="payments_as_of_date_field">
<EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
</HEADERFIELD>
<ACCUMULATOR name="payment_total" x="73" relativey="0"
10 alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FILTER>payments_filter
</FILTER>
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</ACCUMULATOR>
15 <LABEL name="Adjustments" x="23" relativey="1" font="Times10"
format="adjustments_label" type="string">
</LABEL>
<AGGREGATE name="" x="73" relativey="0" width="22" alignment="right"
font="Times10" format="%1" operation="sum" wrap="false">
20 <FIELDREF>adjustment_amount</FIELDREF>
<FIELDREF>adjustment_tax</FIELDREF>
</AGGREGATE>
<LABEL name="New Charges" x="23" relativey="1" font="Times10"
format="new_charges_label" type="string">
25 </LABEL>
<ACCUMULATOR name="new_charges" x="73" relativey="0" alignment="right"
font="Times10" format="one_param_field" operation="sum">
<FILTER>net_new_charges_filter
</FILTER>
30 <EXPRESSION>net_new_charges</EXPRESSION>
</ACCUMULATOR>
<LABEL name="Total Taxes" x="23" relativey="1" font="Times10"
format="total_taxes_label" type="string">
</LABEL>
35 <ACCUMULATOR name="taxes_new" x="73" relativey="0" alignment="right"
font="Times10" format="one_param_field" operation="sum">
<FILTER>taxes_new_filter
</FILTER>
<EXPRESSION>gen_bill_invoice_detail_tax</EXPRESSION>
40 </ACCUMULATOR>
<LABEL name="Total New Charges" x="23" relativey="1" font="Times10"
format="total_new_charges_label" type="string">
</LABEL>
45 <ACCUMULATOR name="total_new_charges" x="73" relativey="0"
alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FILTER>total_new_charges_filter
</FILTER>
<EXPRESSION>total_new_charges</EXPRESSION>
50 </ACCUMULATOR>
<LABEL name="Total Amount Due" x="23" relativey="1" font="Times10"
format="total_amount_due_label" type="string">
</LABEL>
55 <ACCUMULATOR name="total_due" x="73" relativey="0" alignment="right"
font="Times10" format="one_param_field" operation="sum">
<FILTER>total_due_filter
</FILTER>

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<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</ACCUMULATOR>
<HEADERFIELD name="Payment Due Date %1" x="47" relativey="3"
5 alignment="center" font="Times10" format="payment_due_date_field">
<EXPRESSION format="4">gen_bill_invoice_payment_due_date</EXPRESSION>
</HEADERFIELD>
</SEGMENT>
<SEGMENT name=" [Account Summary] Segment" pagesize="A4" duplex="0"
10 leftmargin="0" rightmargin="0" topmargin="0" bottommargin="0"
pagewidth="94" pageheight="78">
<HEADER>
<LABEL name="Statement" x="90" relativey="1" alignment="right"
font="Times New 10" format="statement_label" type="string">
</LABEL>
15 <LABEL name="Account No:" x="2" relativey="7" font="Times10Bold"
format="account_num_label" type="string">
</LABEL>
<HEADERFIELD name="account no" x="17" relativey="0" width="35"
font="Times10Bold" format="one_param_field" wrap="true">
20 <EXPRESSION>gen_cmf_external_id</EXPRESSION>
</HEADERFIELD>
<LABEL name="Page:" x="55" relativey="0" font="Times10Bold"
format="page_label" type="string">
</LABEL>
25 <LABEL name="Page" x="70" relativey="0" font="Times10Bold"
format="page_field" type="string">
</LABEL>
<LABEL name="Name:" x="2" relativey="2" font="Times10Bold"
format="cust_name_label" type="string">
30 </LABEL>
<HEADERFIELD name="bill address" x="17" relativey="0" width="26"
font="Times10" format="one_param_field" wrap="false">
<EXPRESSION format="1">cmf_bill_address</EXPRESSION>
</HEADERFIELD>
35 <LABEL name="Invoice Number:" x="55" relativey="0" font="Times10Bold"
format="invoice_number_label" type="string">
</LABEL>
<HEADERFIELD name="bill_ref_no" x="70" relativey="0" font="Times10Bold"
format="one_param_field">
40 <EXPRESSION>get_bill_invoice_bill_ref_no</EXPRESSION>
</HEADERFIELD>
<LABEL name="Invoice Date:" x="55" relativey="1" font="Times10Bold"
format="invoice_date_label" type="string">
</LABEL>
45 <HEADERFIELD name="invoice date" x="70" relativey="0"
font="Times10Bold" format="one_param_field">
<EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
</HEADERFIELD>
<LABEL name="Billing Period:" x="55" relativey="1" font="Times10Bold"
50 format="billing_period_label" type="string">
</LABEL>
<HEADERFIELD name="bill interval" x="70" relativey="0" width="24"
font="Times10Bold" format="bill_period_field" wrap="false">
<EXPRESSION format="4">gen_bill_invoice_from_date</EXPRESSION>
<EXPRESSION format="4">gen_bill_invoice_to_date</EXPRESSION>
</HEADERFIELD>

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<LABEL name="" x="55" relativey="4" height="5" width="4" font="Arial
10" format="" type="string" wrap="false">
</LABEL>
</HEADER>
5 <LABEL name="Invoice Summary" x="47" relativey="1" alignment="center"
font="Times10" format="invoice_summary" type="string">
</LABEL>
<GRID name="Invisible Grid Previous Bill Balance" x="0" relativey="1"
newpage="false">
10 <FILTER>previous_bill_amount_filter
</FILTER>
<FIELD name="" x="22" relativey="1" font="Times10" format="Previous
Balance">
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
15 </FIELD>
<FIELD name="is_previous_amount_due" x="72" relativey="0"
alignment="right" font="Times10Bold" format="one_param_field">
<EXPRESSION>gen_bill_invoice_detail_federal_tax</EXPRESSION>
<VISIBILITY>invisible
20 </VISIBILITY>
</FIELD>
<VISIBILITY>invisible
</VISIBILITY>
</GRID>
25 <HEADERFIELD name="" x="22" relativey="1" font="Times10"
format="Previous Balance">
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</HEADERFIELD>
<AGGREGATE name="" x="72" relativey="0" width="22" alignment="right"
30 font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>is_previous_amount_due</FIELDREF>
</AGGREGATE>
<HEADERFIELD name="Payments" x="22" relativey="1" font="Times10"
format="payments_label">
35 <EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
</HEADERFIELD>
<AGGREGATE name="" x="72" relativey="0" width="22" alignment="right"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>payment_amount</FIELDREF>
40 </AGGREGATE>
<HEADERFIELD name="Payments" x="22" relativey="1" font="Times10"
format="adjustments_label">
<EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
</HEADERFIELD>
45 <AGGREGATE name="" x="72" relativey="0" width="22" alignment="right"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>adjustment_amount</FIELDREF>
<FIELDREF>adjustment_tax</FIELDREF>
</AGGREGATE>
50 <LABEL name="Balance Carried Foward" x="22" relativey="1"
font="Times10" format="balance_carried_foward_label" type="string">
</LABEL>
<AGGREGATE name="" x="72" relativey="0" width="22" alignment="right"
font="Times10" format="%1" operation="sum" wrap="false">
55 <FIELDREF>adjustment_amount</FIELDREF>
<FIELDREF>adjustment_tax</FIELDREF>
<FIELDREF>is_previous_amount_due</FIELDREF>

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<FIELDREF>payment_amount</FIELDREF>
</AGGREGATE>
<LABEL name="+ Current Charges This Bill" x="22" relativey="1"
font="Times10" format="+_current_charges_label" type="string">
5 </LABEL>
<ACCUMULATOR name="total new charges" x="72" relativey="0"
alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FILTER>total_new_charges_filter
10 </FILTER>
<EXPRESSION>total_new_charges</EXPRESSION>
</ACCUMULATOR>
<LABEL name="Total Amount Due" x="22" relativey="1" font="Times10"
format="total_amount_due_label" type="string">
15 </LABEL>
<ACCUMULATOR name="total_due" x="72" relativey="0" alignment="right"
font="Times10" format="one_param_field" operation="sum">
<FILTER>total_due_filter
</FILTER>
20 <EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</ACCUMULATOR>
<LABEL name="" x="22" relativey="2" height="2" width="5" font="Arial
10" format="" type="string" wrap="false">
</LABEL>
25 <GRID name="[All payments] Grid" x="2" relativey="1" newpage="false">
<FILTER>payments_filter
</FILTER>
<HEADER>
<LABEL name="Payments" x="2" relativey="2" font="Times10"
30 format="payments_grid_label" type="string">
</LABEL>
<DELIMITER name="delimiter" x="2" relativey="0" height="0" xextent="90"
yextent="0" yadjust="0" line="Line1">
</DELIMITER>
35 <LABEL name="Date" x="40" relativey="0" font="Times10"
format="nrc_date_label" type="string">
</LABEL>
<LABEL name="Amount" x="90" relativey="0" alignment="right"
font="Times10" format="nrc_amount_label" type="string">
40 </LABEL>
<LABEL name="" x="2" relativey="1" width="8" font="Times10"
format="empty_string" type="string" wrap="false">
</LABEL>
</HEADER>
45 <FIELD name="description" x="2" relativey="1" font="Times10"
format="one_param_field" sortorder="1" sortascending="true">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
</FIELD>
<FIELD name="trans_date" x="40" relativey="0" font="Times10"
format="nrc_trans_date" sortorder="2" sortascending="true">
50 <EXPRESSION
format="4">gen_bill_invoice_detail_trans_date</EXPRESSION>
</FIELD>
<FIELD name="payment_amount" x="90" relativey="0" alignment="right"
font="Times10" format="one_param_field" sortorder="3"
sortascending="true">
55 <EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>

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</FIELD>
<FOOTER>
<LABEL name="Total Payments" x="10" relativey="2" font="Times10"
format="payments_total_label" type="string">
5 </LABEL>
<AGGREGATE name="paymentsgridaggregate" x="90" relativey="0"
alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FIELDREF>payment_amount</FIELDREF>
10 </AGGREGATE>
<RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>
15 </GRID>
<GRID name=" [All adjustments against past charges] Grid" x="2"
relativey="1" newpage="false">
<FILTER>(adjustment_filter AND billing_category_N_filter(2))
<FILTERARGUMENT type="int" value="2"></FILTERARGUMENT>
20 </FILTER>
<HEADER>
<LABEL name="Description" x="2" relativey="2" font="Times10"
format="rc_description_label" type="string">
</LABEL>
25 <DELIMITER name="delimiter" x="2" relativey="0" height="0" xextent="90"
yextent="0" yadjust="0" line="Line1">
</DELIMITER>
<LABEL name="Service Instance" x="36" relativey="0" font="Times10"
format="adj_serv_label" type="string">
30 </LABEL>
<LABEL name="Date" x="54" relativey="0" font="Times10"
format="nrc_date_label" type="string">
</LABEL>
<LABEL name="Amount" x="70" relativey="0" alignment="right"
35 font="Times10" format="nrc_amount_label" type="string">
</LABEL>
<LABEL name="VAT" x="90" relativey="0" alignment="right" font="Times10"
format="adj_vat_label" type="string">
</LABEL>
40 <LABEL name="" x="0" relativey="1" font="Times10" format="empty_string"
type="string">
</LABEL>
</HEADER>
<FIELD name="description" x="2" relativey="1" font="Times10"
45 format="one_param_field" sortorder="1" sortascending="true">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
</FIELD>
<FIELD name="service instance" x="36" relativey="0" font="Times10"
format="one_param_field" sortorder="1" sortascending="true">
50 <EXPRESSION>gen_bill_invoice_detail_emf_external_id</EXPRESSION>
</FIELD>
<FIELD name="trans_date" x="54" relativey="0" font="Times10"
format="nrc_trans_date" sortorder="2" sortascending="true">
<EXPRESSION>
55 format="4">gen_bill_invoice_detail_trans_date</EXPRESSION>
</FIELD>

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<FIELD name="adjustment_amount" x="70" relativey="0" alignment="right"
font="Times10" format="one_param_field" sortorder="3"
sortascending="true">
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
5 </FIELD>
<FIELD name="adjustment_tax" x="90" relativey="0" alignment="right"
font="Times10" format="one_param_field" sortorder="3"
sortascending="true">
<EXPRESSION>gen_bill_invoice_detail_tax</EXPRESSION>
10 </FIELD>
<FOOTER>
<LABEL name="Total Credits" x="10" relativey="2" font="Times10"
format="adjustments_total_label" type="string">
</LABEL>
15 <AGGREGATE name="adjustmentsgridaggregate" x="90" relativey="0"
alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FIELDREF>adjustment_amount</FIELDREF>
<FIELDREF>adjustment_tax</FIELDREF>
20 </AGGREGATE>
<RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>
25 </GRID>
<GRID name="[All account level RCs, NRCs and adjustments] Grid" x="2"
relativey="1" newpage="false">
<FILTER>account_level_charges_and_adjustments_filter
</FILTER>
30 <HEADER>
<LABEL name="Other Charges and Credits" x="2" relativey="2"
font="Times10" format="nrc_grid_label" type="string">
</LABEL>
<DELIMITER name="delimiter" x="2" relativey="0" height="0" xextent="90"
35 yextent="0" yadjust="0" line="Line1">
</DELIMITER>
<LABEL name="Date" x="40" relativey="0" font="Times10"
format="nrc_date_label" type="string">
</LABEL>
40 <LABEL name="Amount" x="90" relativey="0" alignment="right"
font="Times10" format="nrc_amount_label" type="string">
</LABEL>
<LABEL name="" x="0" relativey="1" font="Times10" format="empty_string"
type="string">
45 </LABEL>
</HEADER>
<FIELD name="description" x="2" relativey="1" font="Times10"
format="one_param_field" sortorder="1" sortascending="true">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
50 </FIELD>
<FIELD name="trans_date" x="40" relativey="0" font="Times10"
format="nrc_trans_date" sortorder="2" sortascending="true">
<EXPRESSION
format="4">gen_bill_invoice_detail_trans_date</EXPRESSION>
55 </FIELD>

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<FIELD name="occ_amount" x="90" relativey="0" alignment="right"
font="Times10" format="one_param_field" sortorder="3"
sortascending="true">
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
5 </FIELD>
<FOOTER>
<LABEL name="Total Other Charges " x="10" relativey="2" font="Times10"
format="nrc_total_label" type="string">
</LABEL>
10 <AGGREGATE name="occgridaggregate" x="90" relativey="0"
alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FIELDREF>occ_amount</FIELDREF>
</AGGREGATE>
15 <RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>
</GRID>
20 <GRID name="[Account level discount summary rows] Grid" x="2"
relativey="1" newpage="false">
<FILTER>(discount_summary_row_filter AND NOT(product_charges_filter))</FILTER>
<HEADER>
25 <LABEL name="Discounts" x="2" relativey="2" font="Times10"
format="discount_grid_label" type="string">
</LABEL>
<LABEL name="Description" x="2" relativey="1" font="Times10"
format="nrc_description_label" type="string">
30 </LABEL>
<DELIMITER name="delimiter" x="2" relativey="0" height="0" xextent="90"
yextent="0" yadjust="0" line="Line1">
</DELIMITER>
<LABEL name="Amount" x="90" relativey="0" alignment="right"
font="Times10" format="nrc_amount_label" type="string">
35 </LABEL>
<LABEL name="" x="0" relativey="1" font="Times10" format="empty_string"
type="string">
</LABEL>
40 </HEADER>
<GROUPING name="[Group and sort on BILL_INVOICE_DETAIL.tracking_id]
GROUPING" newpage="false">
<GROUPING-FILTER>group_bill_invoice_detail_tracking_id</GROUPING-FILTER>
45 <EXPRESSION>gen_bill_invoice_detail_tracking_id</EXPRESSION>
<FIELD name="description" x="2" relativey="1" font="Times10"
format="one_param_field" sortorder="1" sortascending="true">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
<VISIBILITY>unit_credit_filter
50 </VISIBILITY>
</FIELD>
<FIELD name="discount_amount" x="90" relativey="0" alignment="right"
font="Times10" format="one_param_field" sortorder="2"
sortascending="true">
55 <EXPRESSION>gen_bill_invoice_detail_discount</EXPRESSION>
<VISIBILITY>unit_credit_filter
</VISIBILITY>

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</FIELD>
<FOOTER>
<HEADERFIELD name="description" x="2" relativey="1" font="Times10"
format="one_param_field">
5 <EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
<VISIBILITY>summary_filter
</VISIBILITY>
</HEADERFIELD>
<AGGREGATE name="discountGROUPINGaggregate" x="90" relativey="0"
10 alignment="right" font="Times10" format="one_param_field"
operation="sum">
<FIELDREF>discount_amount</FIELDREF>
<VISIBILITY>summary_filter
</VISIBILITY>
15 </AGGREGATE>
</FOOTER>
</GROUPING>
<FOOTER>
<LABEL name="Total Discounts" x="10" relativey="2" font="Times10"
20 format="discount_total_label" type="string">
</LABEL>
<AGGREGATE name="discountgridaggregate" x="90" relativey="0"
alignment="right" font="Times10" format="one_param_field"
operation="sum">
25 <FIELDREF>discount_amount</FIELDREF>
</AGGREGATE>
<RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
30 </FOOTER>
</GRID>
</SEGMENT>
<SEGMENT name="[Product Line Details] Segment" pagesize="A4" duplex="0"
leftmargin="0" rightmargin="0" topmargin="0" bottommargin="0"
35 pagewidth="94" pageheight="78">
<HEADER>
<LABEL name="Statement" x="90" relativey="1" alignment="right"
font="Times New 10" format="statement_label" type="string">
</LABEL>
40 <LABEL name="Account No:" x="2" relativey="7" font="Times10Bold"
format="account_num_label" type="string">
</LABEL>
<HEADERFIELD name="account no" x="17" relativey="0" width="35"
font="Times10Bold" format="one_param_field" wrap="true">
45 <EXPRESSION>gen_cmf_external_id</EXPRESSION>
</HEADERFIELD>
<LABEL name="Page:" x="55" relativey="0" font="Times10Bold"
format="page_label" type="string">
</LABEL>
50 <LABEL name="Page" x="70" relativey="0" font="Times10Bold"
format="page_field" type="string">
</LABEL>
<LABEL name="Name:" x="2" relativey="2" font="Times10Bold"
format="cust_name_label" type="string">
55 </LABEL>
<HEADERFIELD name="bill address" x="17" relativey="0" width="26"
font="Times10" format="one_param_field" wrap="false">

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<EXPRESSION format="1">cmf_bill_address</EXPRESSION>
</HEADERFIELD>
<LABEL name="Invoice Number:" x="55" relativey="0" font="Times10Bold"
5      format="invoice_number_label" type="string">
</LABEL>
<HEADERFIELD name="bill_ref_no" x="70" relativey="0" font="Times10Bold"
format="one_param_field">
<EXPRESSION>get_bill_invoice_bill_ref_no</EXPRESSION>
</HEADERFIELD>
10 <LABEL name="Invoice Date:" x="55" relativey="1" font="Times10Bold"
format="invoice_date_label" type="string">
</LABEL>
<HEADERFIELD name="invoice date" x="70" relativey="0"
font="Times10Bold" format="one_param_field">
15 <EXPRESSION format="4">gen_bill_invoice_statement_date</EXPRESSION>
</HEADERFIELD>
<LABEL name="Billing Period:" x="55" relativey="1" font="Times10Bold"
format="billing_period_label" type="string">
</LABEL>
20 <HEADERFIELD name="bill interval" x="70" relativey="0" width="24"
font="Times10Bold" format="bill_period_field" wrap="false">
<EXPRESSION format="4">gen_bill_invoice_from_date</EXPRESSION>
<EXPRESSION format="4">gen_bill_invoice_to_date</EXPRESSION>
</HEADERFIELD>
25 </HEADER>
<GRID name="[Product Line Detail] Outer Grid" x="0" relativey="1"
newpage="false">
<FILTER>non_zero_bid_amount_filter
</FILTER>
30 <GROUPING name="[Product Line] Group" newpage="false">
<GROUPING-FILTER>group_product_lines_product_line_id
</GROUPING-FILTER>
<HEADER>
<HEADERFIELD name="" x="2" relativey="3" font="Times10Bold"
35      format="%1">
<EXPRESSION>gen_product_lines_product_line_description</EXPRESSION>
</HEADERFIELD>
<HEADERFIELD name="" x="38" relativey="0" font="Times10" format="%1">
<EXPRESSION>gen_bill_invoice_detail_product_line_id</EXPRESSION>
40 <VISIBILITY>invisible
</VISIBILITY>
</HEADERFIELD>
<LABEL name="" x="9" relativey="1" width="10" font="Times10" format=""
45      type="string" wrap="false">
</LABEL>
</HEADER>
<GRID name="[Product Line RC] Nested Grid" x="0" relativey="1"
newpage="false">
50 <FILTER>recurring_charges_filter
</FILTER>
<HEADER>
<LABEL name="" x="2" relativey="2" width="17" font="Times10"
format="Recurring Charges" type="string" wrap="false">
</LABEL>
55 <LABEL name="" x="4" relativey="2" width="47" font="Times10"
format="Description" type="string" wrap="false">
</LABEL>

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<DELIMITER name="delimiter" x="2" relativey="1" height="0" xextent="90"
yextent="0" yadjust="0" line="Line1">
</DELIMITER>
<LABEL name="" x="4" relativey="0" width="47" font="Times10"
5 format="Service Instance" type="string" wrap="false">
</LABEL>
<LABEL name="" x="51" relativey="0" width="10" font="Times10"
format="From" type="string" wrap="false">
</LABEL>
10 <LABEL name="" x="62" relativey="0" width="10" font="Times10"
format="To" type="string" wrap="false">
</LABEL>
<LABEL name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="Amount" type="string" wrap="false">
15 </LABEL>
<LABEL name="" x="29" relativey="1" width="10" font="Times10" format=""
type="string" wrap="false">
</LABEL>
</HEADER>
20 <GROUPING name="[Product Line RC] Group" newpage="false">
<GROUPING-FILTER>group_bill_invoice_detail_description_code
</GROUPING-FILTER>
<HEADER>
<HEADERFIELD name="" x="4" relativey="1" width="47" font="Times10"
25 format="%1" wrap="false">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
</HEADERFIELD>
</HEADER>
<FIELD name="" x="4" relativey="1" width="47" font="Times10"
30 format="%1" wrap="false">
<EXPRESSION>gen_bill_invoice_detail_emf_external_id</EXPRESSION>
</FIELD>
<FIELD name="" x="51" relativey="0" width="22" font="Times10"
format="%1 - %2" wrap="false">
35 <EXPRESSION>gen_bill_invoice_detail_from_date</EXPRESSION>
<EXPRESSION>gen_bill_invoice_detail_to_date</EXPRESSION>
</FIELD>
<FIELD name="rc_amount" x="91" relativey="0" width="18"
alignment="right" font="Times10" format="%1" wrap="false">
40 <EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</FIELD>
<FOOTER>
<HEADERFIELD name="" x="26" relativey="2" width="51" font="Times10"
45 format="Total for %1" wrap="false">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
</HEADERFIELD>
<AGGREGATE name="" x="91" relativey="0" width="14" alignment="money"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>rc_amount</FIELDREF>
50 </AGGREGATE>
</FOOTER>
</GROUPING>
<FOOTER>
<HEADERFIELD name="" x="26" relativey="2" width="51" font="Times10"
55 format="Total Recurring Charges" wrap="false">
<EXPRESSION>gen_product_lines_product_line_description</EXPRESSION>
</HEADERFIELD>

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<AGGREGATE name="" x="91" relativey="0" width="14" alignment="money"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>rc_amount</FIELDREF>
</AGGREGATE>
5 <RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>
</GRID>
10 <GRID name="[Product Line NRC and ADJ] Nested Grid" x="0" relativey="1"
newpage="false">
<FILTER>(non_recurring_charges_and_adjustments_filter AND
billing_category_N_filter(1))
<FILTERARGUMENT type="int" value="1"></FILTERARGUMENT>
15 </FILTER>
<HEADER>
<LABEL name="" x="2" relativey="2" font="Times10" format="Other Charges
and Credits" type="string">
</LABEL>
20 <LABEL name="" x="2" relativey="1" width="47" font="Times10"
format="Description" type="string" wrap="false">
</LABEL>
<DELIMITER name="delimiter" x="2" relativey="0" height="0" xextent="90"
yextent="0" yadjust="0" line="Line1">
25 </DELIMITER>
<LABEL name="" x="52" relativey="0" width="10" font="Times10"
format="Date" type="string" wrap="false">
</LABEL>
<LABEL name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="Amount" type="string" wrap="false">
</LABEL>
30 <LABEL name="" x="33" relativey="1" width="10" font="Times10" format=""
type="string" wrap="false">
</LABEL>
35 </HEADER>
<FIELD name="" x="2" relativey="1" width="47" font="Times10"
format="%1" wrap="false">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
</FIELD>
40 <FIELD name="" x="52" relativey="0" width="10" font="Times10"
format="%1" wrap="false">
<EXPRESSION>gen_bill_invoice_detail_trans_date</EXPRESSION>
</FIELD>
45 <FIELD name="nrc_amount" x="91" relativey="0" width="18"
alignment="right" font="Times10" format="%1" wrap="false">
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
</FIELD>
<FOOTER>
50 <LABEL name="" x="26" relativey="2" width="30" font="Times10"
format="Total Other Charges" type="string" wrap="false">
</LABEL>
<AGGREGATE name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>nrc_amount</FIELDREF>
55 </AGGREGATE>
<RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">

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</RECTANGLE>
</FOOTER>
</GRID>
<GRID name=" [Product Line Usage] Nested Grid" x="0" relativey="1"
5  newpage="false">
<FILTER>accept_all
</FILTER>
<HEADER>
<LABEL name="" x="2" relativey="2" font="Times10" format="Usage
10  Charges" type="string">
</LABEL>
<DELIMITER name="delimiter" x="2" relativey="0" height="0" xextent="90"
yextent="0" yadjust="0" line="Line1">
</DELIMITER>
15  </HEADER>
<GROUPING name=" [Product Line Usage Type] Group" newpage="false">
<GROUPING-FILTER>group_bill_equip_detail_type_id_usg
</GROUPING-FILTER>
<HEADER>
20  <HEADERFIELD name="" x="4" relativey="2" font="Times10" format="%1 -
%2">
<EXPRESSION>gen_bill_equip_detail_product_element_description</EXPRES
SION>
<EXPRESSION>gen_bill_equip_detail_usage_type_description</EXPRESSION>
25  </HEADERFIELD>
<LABEL name="" x="4" relativey="1" width="17" font="Times10"
format="Origination" type="string" wrap="false">
</LABEL>
<DELIMITER name="delimiter" x="4" relativey="0" height="0" xextent="88"
30  yextent="0" yadjust="0" line="Line1">
</DELIMITER>
<LABEL name="" x="22" relativey="0" width="17" font="Times10"
format="Number Dialed" type="string" wrap="false">
</LABEL>
35  <LABEL name="" x="41" relativey="0" width="16" font="Times10"
format="Date / Time" type="string" wrap="false">
</LABEL>
<LABEL name="" x="58" relativey="0" width="14" font="Times10"
format="Duration" type="string" wrap="false">
40  </LABEL>
<LABEL name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="Amount" type="string" wrap="false">
</LABEL>
<LABEL name="" x="32" relativey="1" width="10" font="Times10" format=""
45  type="string" wrap="false">
</LABEL>
</HEADER>
<GROUPING name=" [Product Line Usage ID] Group" newpage="false">
<GROUPING-FILTER>group_bill_equip_detail_emf_external_id
50  </GROUPING-FILTER>
<HEADER>
<HEADERFIELD name="" x="4" relativey="1" width="47" font="Times10"
format="%1" wrap="false">
<EXPRESSION>gen_bill_equip_detail_emf_external_id</EXPRESSION>
55  </HEADERFIELD>
</HEADER>

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<FIELD name="" x="4" relativey="1" width="16" font="Times10"
format="%1" wrap="false">
<EXPRESSION>gen_bill_equip_detail_point_origin</EXPRESSION>
</FIELD>
5 <FIELD name="" x="22" relativey="0" width="17" font="Times10"
format="%1" wrap="false">
<EXPRESSION>gen_bill_equip_detail_point_target</EXPRESSION>
</FIELD>
<FIELD name="" x="41" relativey="0" width="16" font="Times10"
format="%1" wrap="false">
10 <EXPRESSION>gen_bill_equip_detail_trans_dt</EXPRESSION>
</FIELD>
<FIELD name="" x="58" relativey="0" width="14" font="Times10"
format="%1" wrap="false">
15 <EXPRESSION>gen_bill_equip_detail_units</EXPRESSION>
</FIELD>
<FIELD name="usage" x="91" relativey="0" width="18" alignment="right"
font="Times10" format="%1" wrap="false">
<EXPRESSION>gen_bill_equip_detail_amount</EXPRESSION>
20 </FIELD>
<FOOTER>
<HEADERFIELD name="" x="26" relativey="2" width="46" font="Times10"
format="Total for %1" wrap="false">
25 <EXPRESSION>gen_bill_equip_detail_emf_external_id</EXPRESSION>
</HEADERFIELD>
<AGGREGATE name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>usage</FIELDREF>
</AGGREGATE>
30 </FOOTER>
</GROUPING>
<FOOTER>
<HEADERFIELD name="" x="26" relativey="1" width="46" font="Times10"
format="Total for %1 - %2" wrap="false">
35 <EXPRESSION>gen_bill_equip_detail_product_element_description</EXPRESSION>
<EXPRESSION>gen_bill_equip_detail_usage_type_description</EXPRESSION>
</HEADERFIELD>
<AGGREGATE name="" x="91" relativey="0" width="18" alignment="money"
40 font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>usage</FIELDREF>
</AGGREGATE>
</FOOTER>
</GROUPING>
45 <FOOTER>
<HEADERFIELD name="" x="26" relativey="2" width="46" font="Times10"
format="Total usage for %1" wrap="false">
<EXPRESSION>gen_product_lines_product_line_description</EXPRESSION>
</HEADERFIELD>
50 <AGGREGATE name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>usage</FIELDREF>
</AGGREGATE>
55 <RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>

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</GRID>
<GRID name="[Total Before Discounts] Grid" x="0" relativey="1"
newpage="false">
<FILTER>product_line_charges_and_adjustments_filter
</FILTER>
5 <FIELD name="total_before_discounts" x="62" relativey="1"
font="Times10" format="#1">
<EXPRESSION>gen_bill_invoice_detail_amount</EXPRESSION>
<VISIBILITY>invisible
10 </VISIBILITY>
</FIELD>
<FOOTER>
<HEADERFIELD name="" x="26" relativey="2" width="51" font="Times10"
format="Total before discounts for #1" wrap="false">
15 <EXPRESSION>gen_product_lines_product_line_description</EXPRESSION>
</HEADERFIELD>
<AGGREGATE name="" x="91" relativey="0" width="14" alignment="right"
font="Times10" format="#1" operation="sum" wrap="false">
<FIELDREF>total_before_discounts</FIELDREF>
20 </AGGREGATE>
<RECTANGLE name="rectangle" x="77" relativey="1" height="2"
xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>
25 <VISIBILITY>NOT(grid_contains_data([Product Line Discount] Grid))
</VISIBILITY>
</GRID>
<GRID name="[Product Line Discount] Grid" x="0" relativey="1"
newpage="false">
30 <FILTER>discount_summary_row_filter
</FILTER>
<HEADER>
<LABEL name="" x="2" relativey="2" font="Times10" format="Discounts"
type="string">
35 </LABEL>
<DELIMITER name="delimiter" x="2" relativey="2" height="0" xextent="90"
yextent="0" yadjust="0" line="Line1">
</DELIMITER>
<LABEL name="" x="4" relativey="0" width="60" font="Times10"
40 format="Description" type="string" wrap="false">
</LABEL>
<LABEL name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="Amount" type="string" wrap="false">
</LABEL>
45 <LABEL name="" x="34" relativey="1" width="10" font="Times10" format=""
type="string" wrap="false">
</LABEL>
</HEADER>
<FIELD name="" x="4" relativey="1" width="58" font="Times10"
50 format="#1" wrap="false">
<EXPRESSION>gen_bill_invoice_detail_description</EXPRESSION>
</FIELD>
<FIELD name="discounts" x="91" relativey="0" width="18"
alignment="money" font="Times10" format="#1" wrap="false">
55 <EXPRESSION>gen_bill_invoice_detail_discount</EXPRESSION>
</FIELD>
<FOOTER>

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<HEADERFIELD name="" x="4" relativey="2" width="66" font="Times10"
format="Total Discounts for %1" wrap="false">
<EXPRESSION>gen_product_lines_product_line_description</EXPRESSION>
</HEADERFIELD>
5 <AGGREGATE name="" x="91" relativey="0" width="18" alignment="money"
font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>discounts</FIELDREF>
</AGGREGATE>
<RECTANGLE name="rectangle" x="77" relativey="1" height="2"
10 xextent="15" yextent="25" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>
</GRID>
</FOOTER>
15 <HEADERFIELD name="" x="26" relativey="1" width="51" font="Times10"
format="Net new charges for %1" wrap="false">
<EXPRESSION>gen_product_lines_product_line_description</EXPRESSION>
</HEADERFIELD>
<AGGREGATE name="" x="91" relativey="0" width="15" alignment="right"
20 font="Times10" format="%1" operation="sum" wrap="false">
<FIELDREF>discounts</FIELDREF>
<FIELDREF>total_before_discounts</FIELDREF>
</AGGREGATE>
<RECTANGLE name="rectangle" x="77" relativey="1" height="2"
25 xextent="15" yextent="21" yadjust="0" line="Line1" shading="0">
</RECTANGLE>
</FOOTER>
</GROUPING>
</GRID>
30 </SEGMENT>
</LAYOUT>
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